

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

08/05/2011

Brenna Flynn
Assistant District Attorney, Suffolk County

Dear ADA Flynn,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Kate Corbett.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Kate Corbett was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Oversee the Quality Control/Quality Assurance program for the Drug Lab.

*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP training with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS trainings with Agilent Technologies and Restek.

HPLC and LC/MS/MS trainings with Waters Cooperation.

FTIR training with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Kate A. Corbett

Education

Bachelor of Science Degree, CHEMISTRY May 2003

MERRIMACK COLLEGE

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

Employment

Chemist II State Laboratory Institute (March 2008-Present)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance and trafficking substances to determine violation of the Massachusetts drug laws
- Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis

Chemist I State Laboratory Institute (2005-March 2008)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

Research Associate (September 2003 – August 2005)


SENSOR TECHNOLOGIES, INC - Shrewsbury, MA

- Prepared chemistries used in making sensor beads
- Generated and examined sensors employing fluorescence spectroscopy
- Performed protein, dye and sugar assays using UV/VIS spectrophotometry
- Carried out titrations on ricin using fluorescence correlation spectroscopy
- Statistical analysis of experimental data

Intern (March 2003 – August 2003)

MASSACHUSETTS STATE POLICE CRIME LABORATORY - Sudbury, MA

- Assisted in the gathering of case files to fulfill the National Institute of Justice's No Suspect Backlog Reduction Grant
- Observed in the Evidence, Criminalistics, DNA, Drug, Trace, Toxicology, and Bomb/Arson Units

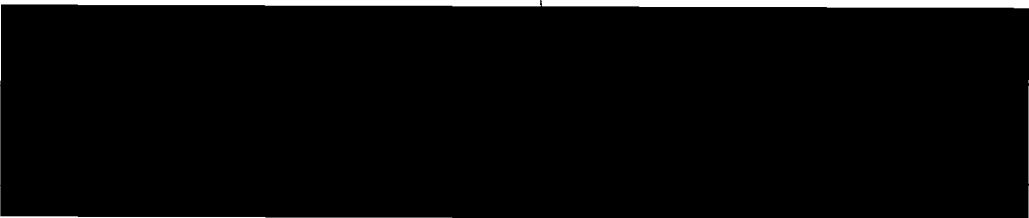
DRUG RECEIPTCC # 
BOOK # 30
PAGE # 28
DESTRUCTION # _____District/Unit A7/DCU
Name & Rank of Arresting Officer Sgt Det. Colon ID# 10948

DEFENDANT'S NAME

ADDRESS

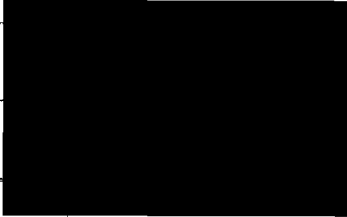
CITY

STATE

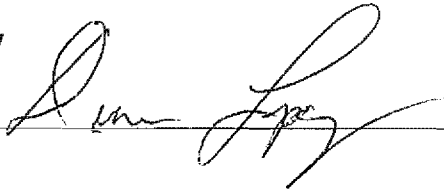

BrocktonMa.DorchesterMa.

LAB USE ONLY

DESCRIPTION OF ITEMS SUBMITTED

GROSS
QUANTITYGROSS
WEIGHTANALYSIS
NUMBERHEROIN12 P/B's8.89 gmCocaine9 P/B's7.79 gm


To be completed by ECU personnel only

Name and Rank of Submitting Officer  ID# 9370Received by  Date 9.1.10

ECU Control # _____

No. [REDACTED]

Date Analyzed: 11/22/10

City: Boston D.C.U. Police Dept.

Officer: P.O. Diana Lopez

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 12 Cont: pb

Date Rec'd: 09/01/2010

No. Analyzed: 2

Gross Wt.: 8.89

Net Weight: 3.82

Tests: 8 ASD
40AC

Prelim: Heroin

Findings:

Heroin

DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

Boston

ANALYST

ADJ

No. of samples tested: _____

Evidence Wt. _____

PHYSICAL DESCRIPTION:

Beige powdered substance
17 12 pbs

double bagged

Gross Wt (12): 5.1021

Gross Wt (2): 0.8360

Pkg. Wt: _____

Net Wt: _____

PRELIMINARY TESTS

Spot Tests

Cobalt
2 Thiocyanate (+) _____
2 Marquis + _____
2 Froehde's + _____
2 Mecke's + _____

Microcrystalline Tests

Gold
Chloride _____
TLTA () _____

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS Heroin

DATE 1-16-10

GC/MS CONFIRMATORY TEST

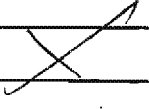
RESULTS Heroin

MS
OPERATOR KAC

DATE 1-22-10

Sample #: [REDACTED]

samples tested: 2

#	Gross Weight	Packet Weight	Net Weight	#	Gross Weight	Packet Weight	Net Weight
1	0.4587		0.3568	26			
2	0.3780		0.2815	27			
3				28			
4				29			
5				30			
6				31			
7				32			
8				33			
9				34			
10				35			
11				36			
12				37			
13				38			
14				39			
15				40			
16				41			
17				42			
18				43			
19				44			
20				45			
21				46			
22				47			
23				48			
24				49			
25				50			

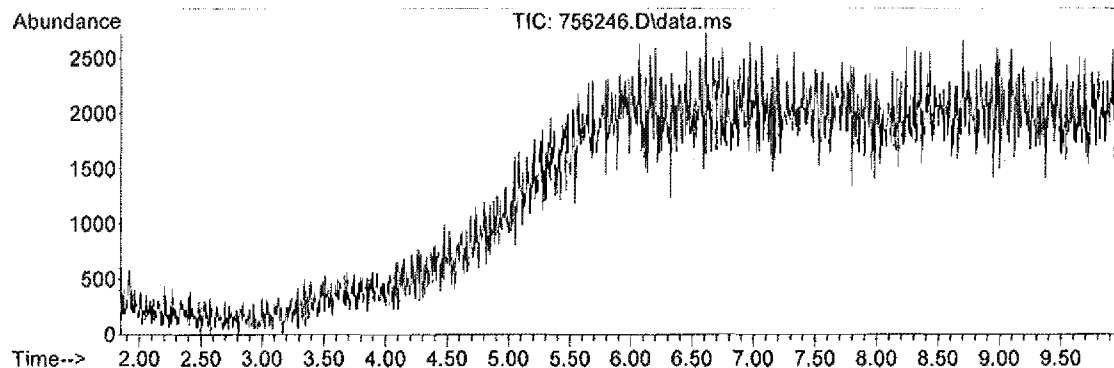
Calculations:

$$\begin{aligned} \text{Est net wt} &= 0.6383 / 2 = 0.3191 (12) \\ &= 3.8292 \end{aligned}$$

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\11_19_10\756246.D
Operator : ASD/KAC
Date Acquired : 19 Nov 2010 23:02
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE

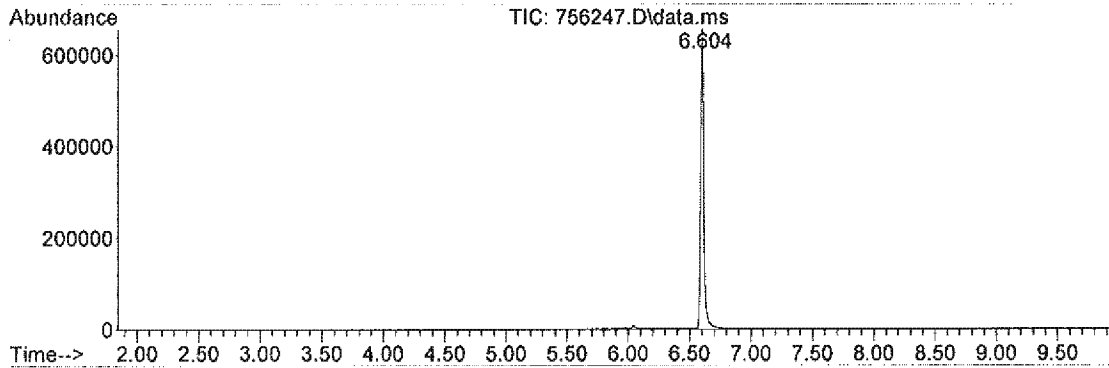


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\11_19_10\756247.D
 Operator : ASD/KAC
 Date Acquired : 19 Nov 2010 23:15
 Sample Name : HEROIN STD
 Submitted by : ASD
 Vial Number : 47
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.604	1093962	100.00	100.00

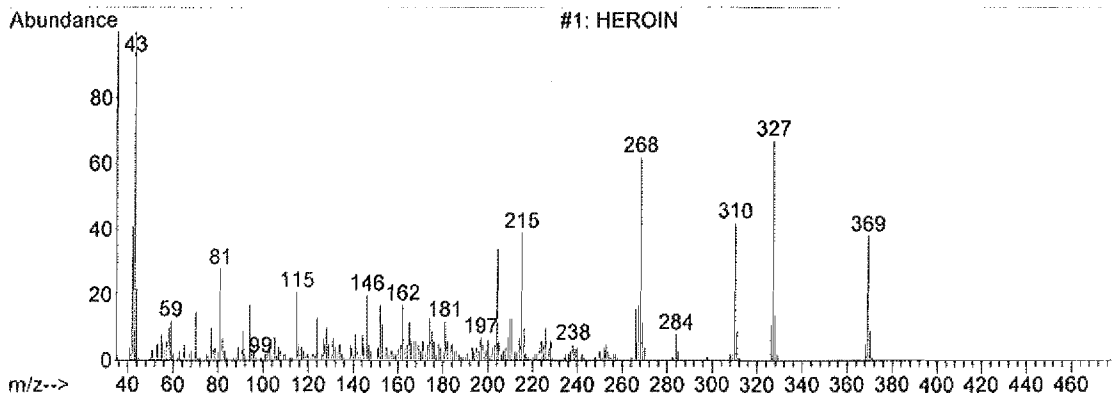
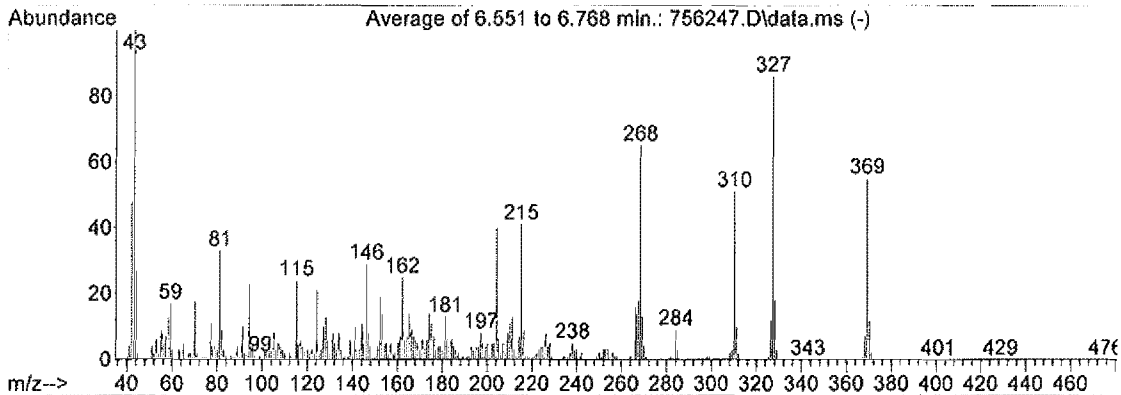
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\11_19_10\756247.D
 Operator : ASD/KAC
 Date Acquired : 19 Nov 2010 23:15
 Sample Name : HEROIN STD
 Submitted by : ASD
 Vial Number : 47
 AcquisitionMeth: DRUGS
 Integrator : RTE

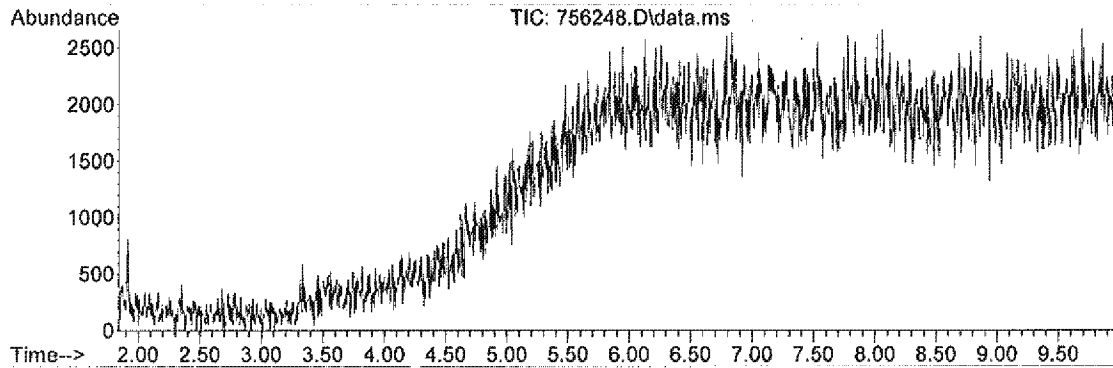
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST05a.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.60	C:\Database\SLI.L HEROIN	000561-27-3	87



Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\11_19_10\756248.D
Operator : ASD/KAC
Date Acquired : 19 Nov 2010 23:29
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE

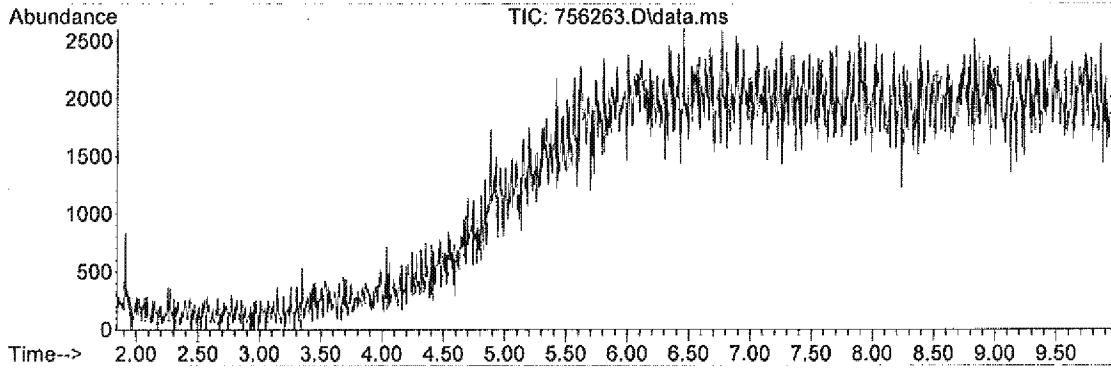


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\11_19_10\756263.D
Operator : ASD/KAC
Date Acquired : 20 Nov 2010 2:52
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



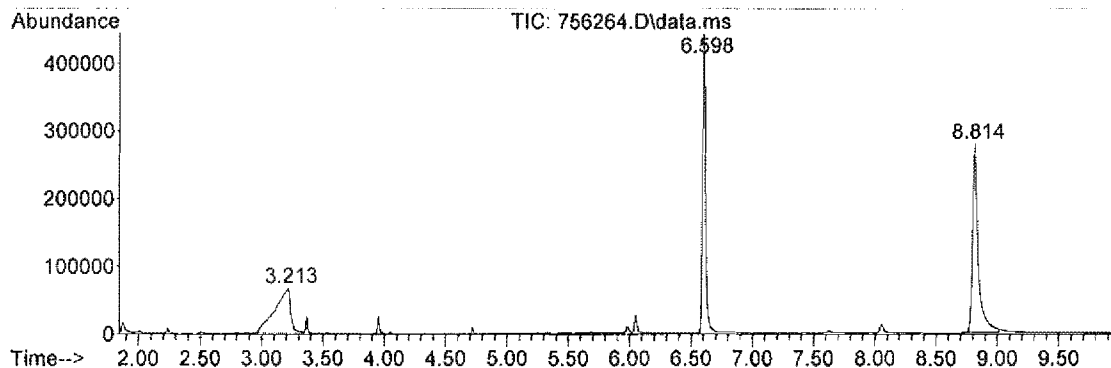
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\11_19_10\756264.D
 Operator : ASD/KAC
 Date Acquired : 20 Nov 2010 3:05
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 64
 AcquisitionMeth: DRUGS
 Integrator : RTE



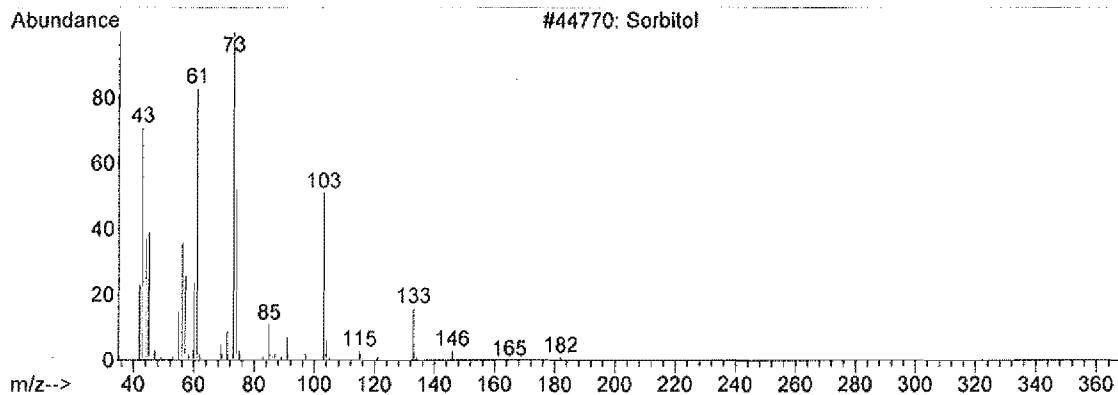
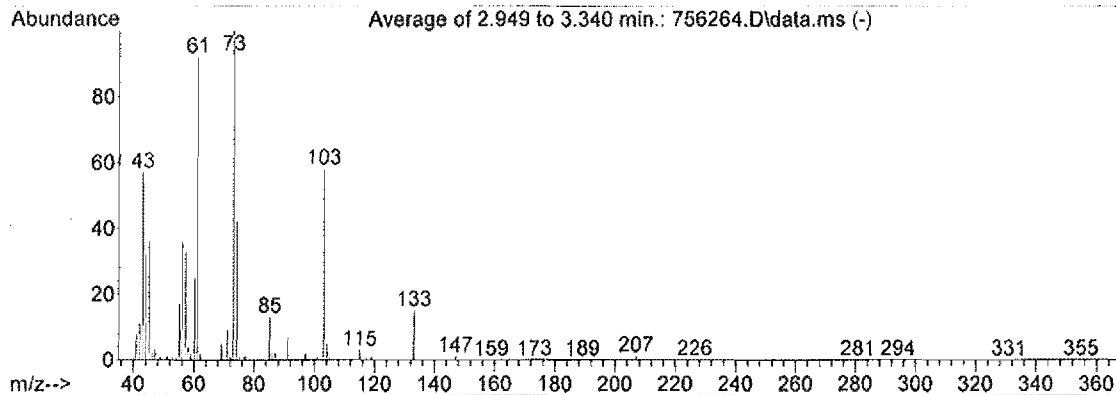
Ret. Time	Area	Area %	Ratio %
3.213	590193	26.58	66.38
6.598	741148	33.38	83.36
8.814	889117	40.04	100.00

Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\11_19_10\756264.D
Operator : ASD/KAC
Date Acquired : 20 Nov 2010 3:05
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 64
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	3.21	C:\Database\NIST05a.L		
		Sorbitol	000050-70-4	91
		Glucitol	026566-34-7	90
		Sorbitol	000050-70-4	87

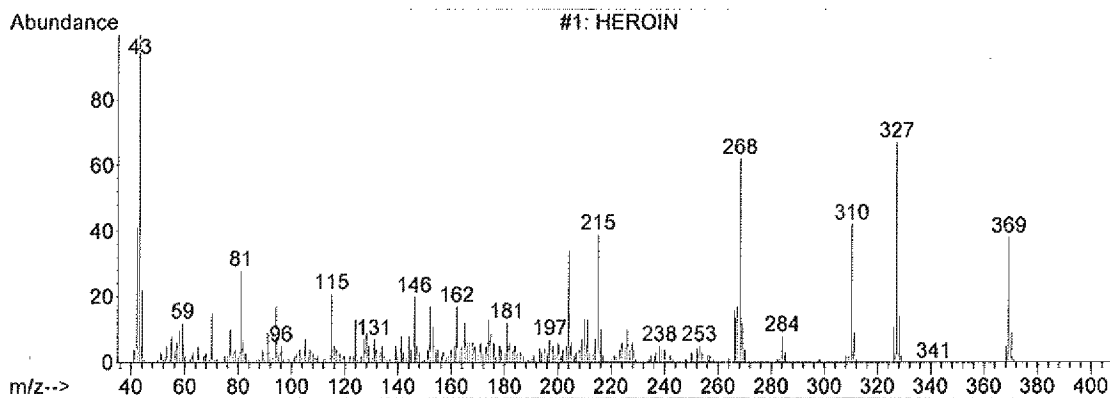
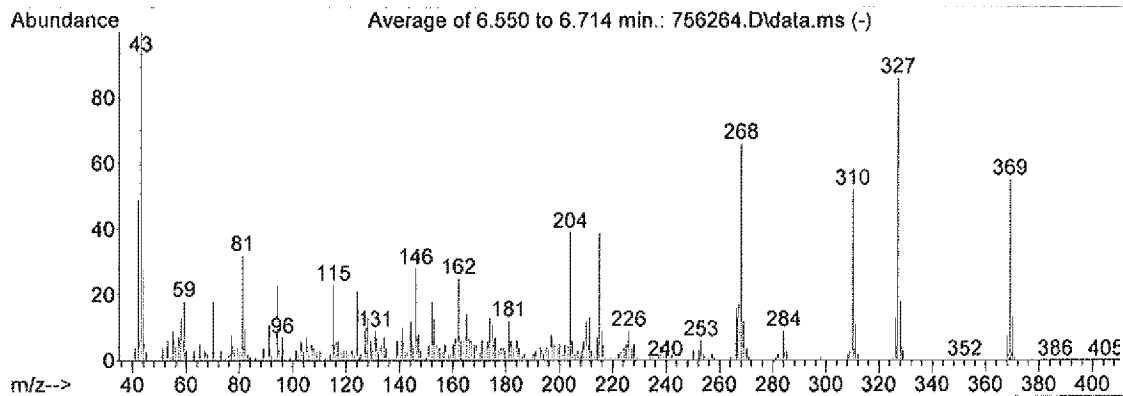


Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\11_19_10\756264.D
Operator : ASD/KAC
Date Acquired : 20 Nov 2010 3:05
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 64
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	6.60	C:\Database\SLI.L HEROIN	000561-27-3	99

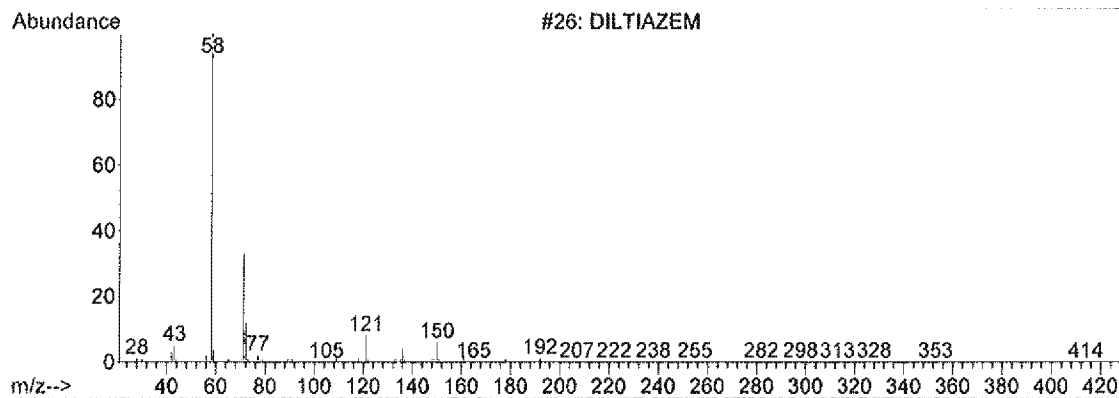
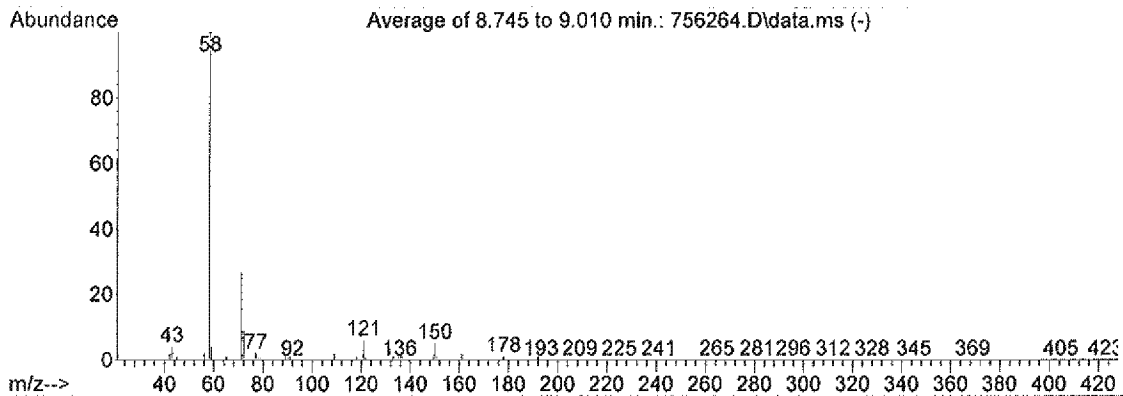


Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\11_19_10\756264.D
Operator : ASD/KAC
Date Acquired : 20 Nov 2010 3:05
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 64
AcquisitionMeth: DRUGS
Integrator : RTE

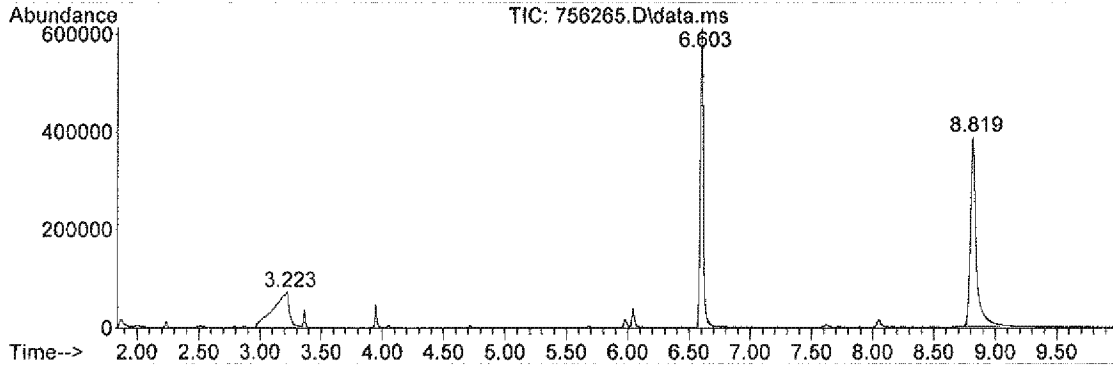
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	8.81	C:\Database\SLI.L		
		DILTIAZEM	033286-22-5	91
		CITALOPRAM	059729-33-8	2
		CITALOPRAM	059729-33-8	2



Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\11_19_10\756265.D
 Operator : ASD/KAC
 Date Acquired : 20 Nov 2010 3:19
 Sample Name : B10-10145-2
 Submitted by : ASD
 Vial Number : 65
 AcquisitionMeth: DRUGS
 Integrator : RTE



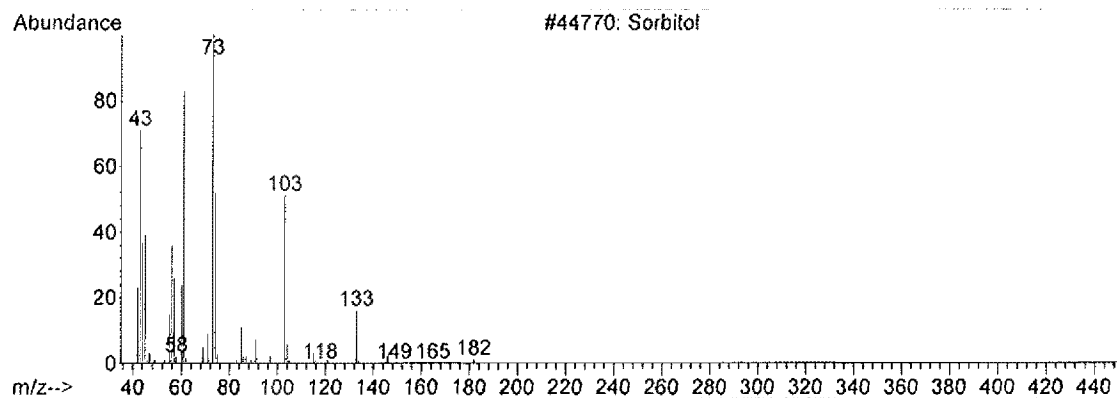
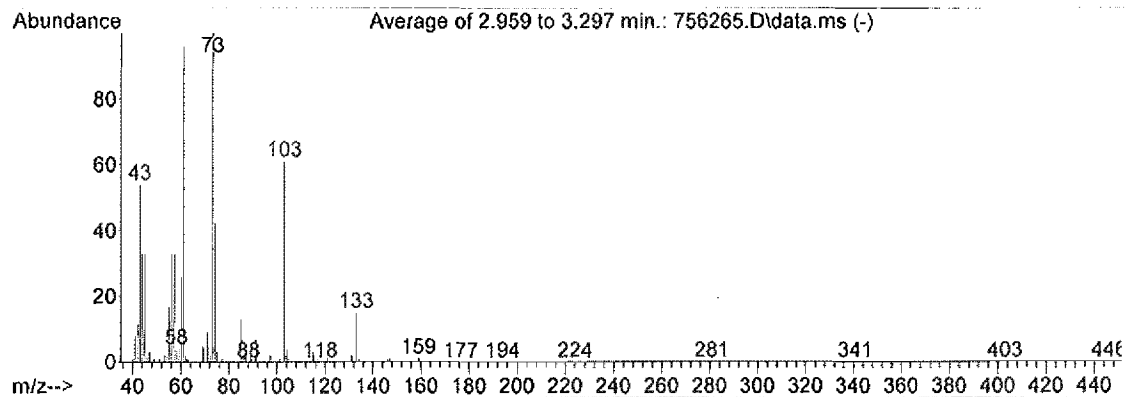
Ret. Time	Area	Area %	Ratio %
3.223	649549	22.40	52.08
6.603	1002631	34.58	80.39
8.819	1247135	43.01	100.00

Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\11_19_10\756265.D
Operator : ASD/KAC
Date Acquired : 20 Nov 2010 3:19
Sample Name : B10-10145-2
Submitted by : ASD
Vial Number : 65
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	3.22	C:\Database\NIST05a.L		
		Sorbitol	000050-70-4	91
		Glucitol	026566-34-7	91
		Sorbitol	000050-70-4	91

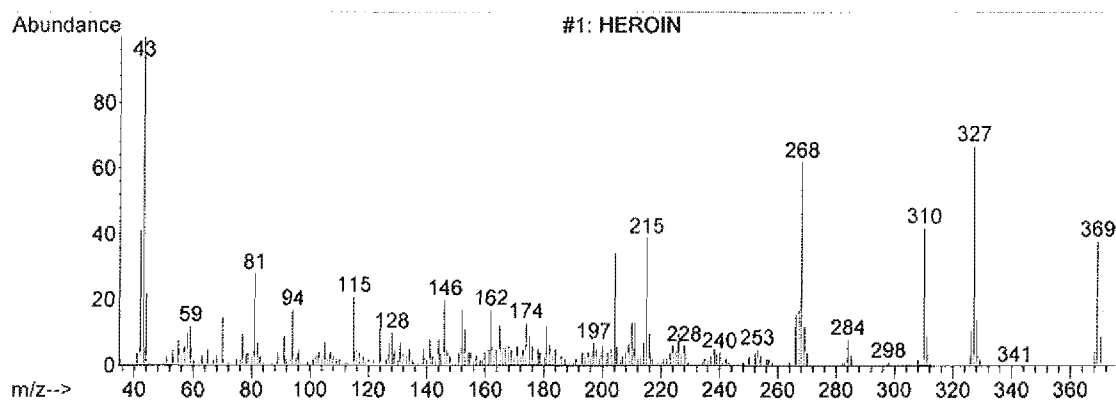
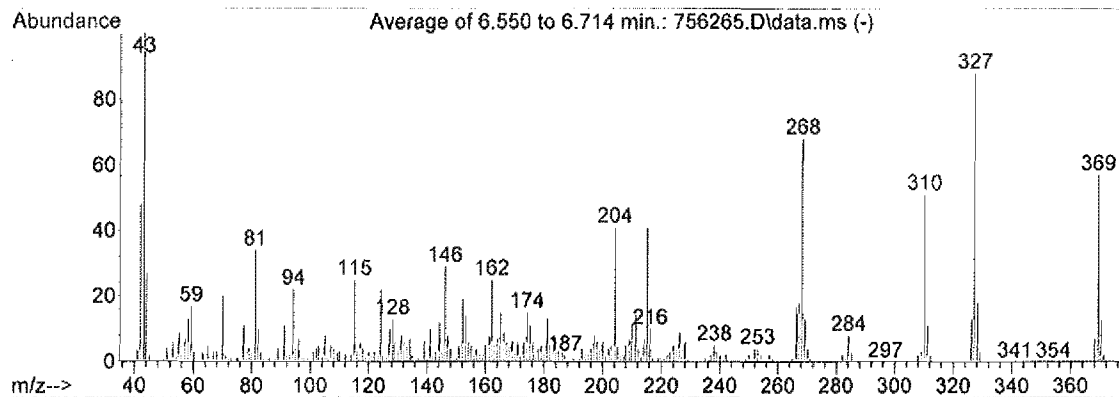


Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\11_19_10\756265.D
Operator : ASD/KAC
Date Acquired : 20 Nov 2010 3:19
Sample Name : B10-10145-2
Submitted by : ASD
Vial Number : 65
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	6.60	C:\Database\SLI.L HEROIN	000561-27-3	99

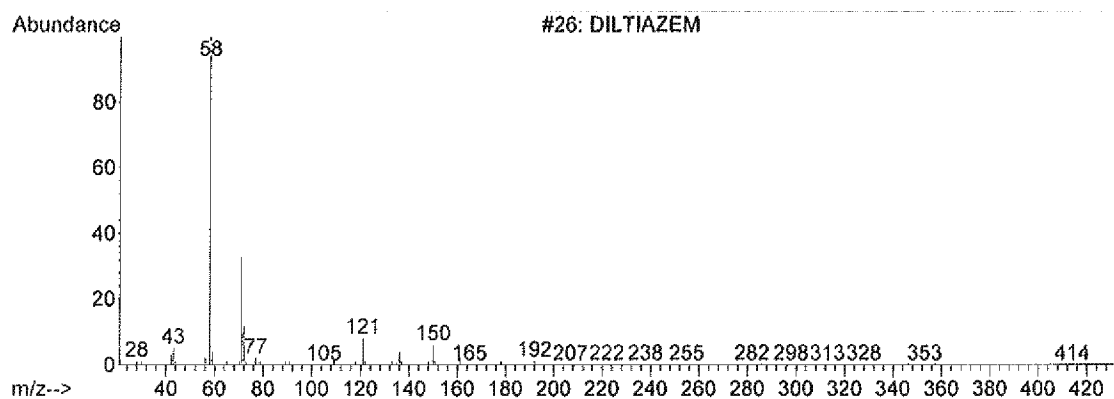
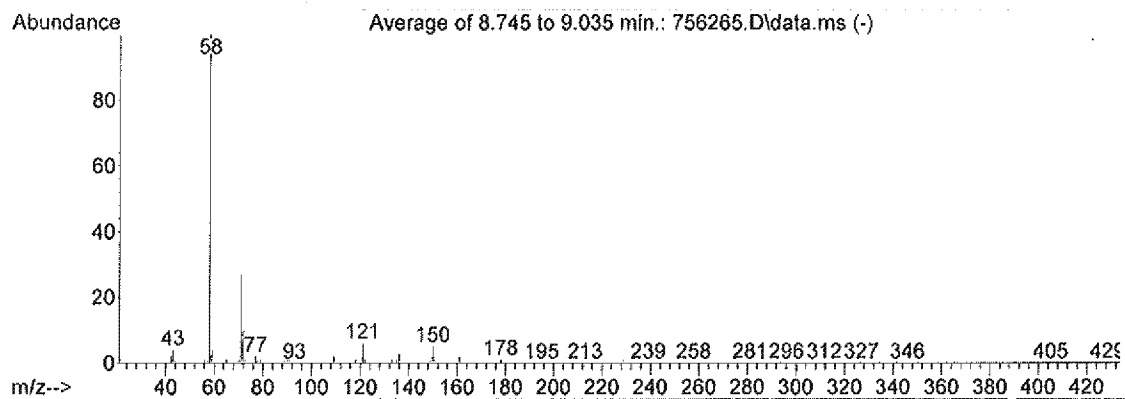


Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\11_19_10\756265.D
Operator : ASD/KAC
Date Acquired : 20 Nov 2010 3:19
Sample Name : B10-10145-2
Submitted by : ASD
Vial Number : 65
AcquisitionMeth: DRUGS
Integrator : RTE

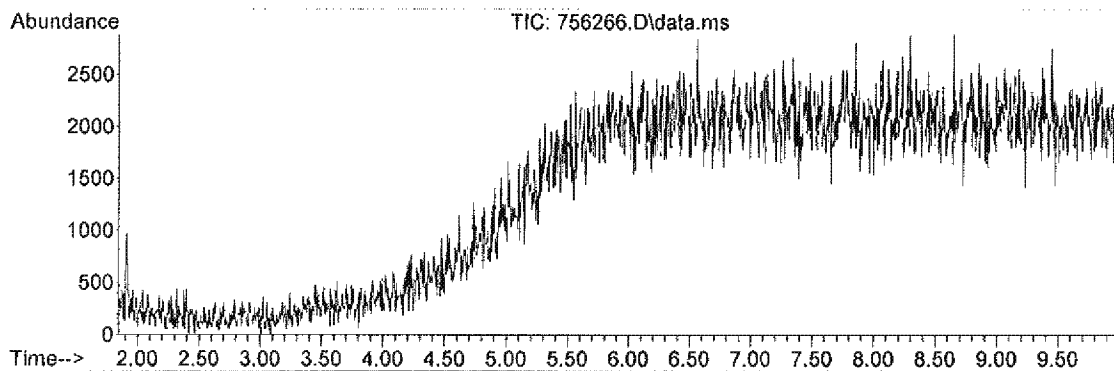
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	8.82	C:\Database\SLI.L		
		DILTIAZEM	033286-22-5	91
		CITALOPRAM	059729-33-8	2
		CITALOPRAM	059729-33-8	2



Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\11_19_10\756266.D
Operator : ASD/KAC
Date Acquired : 20 Nov 2010 3:33
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE

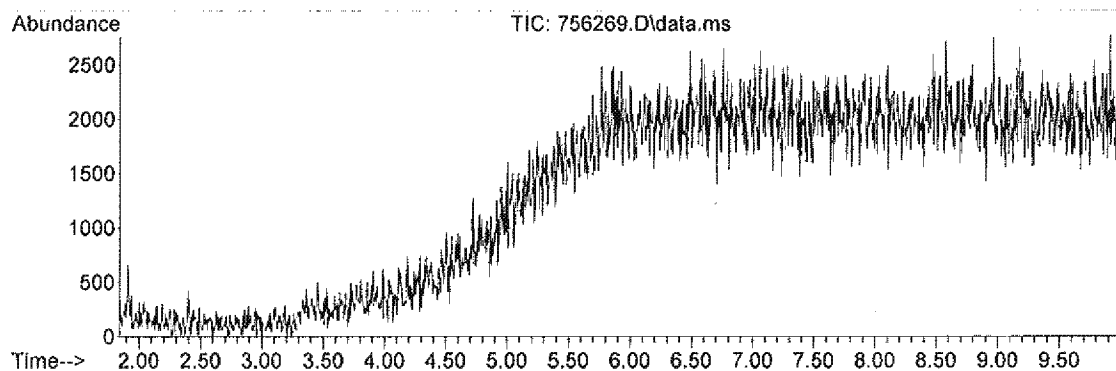


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\11_19_10\756269.D
Operator : ASD/KAC
Date Acquired : 20 Nov 2010 4:14
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE

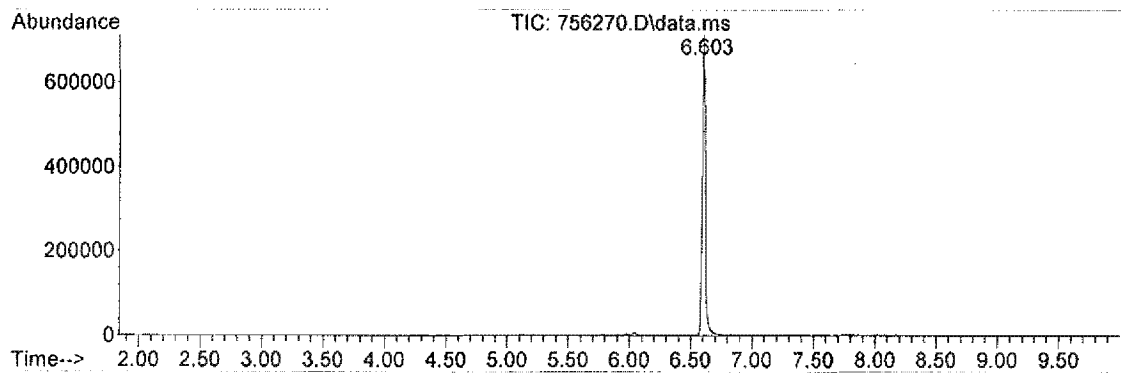


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\11_19_10\756270.D
Operator : ASD/KAC
Date Acquired : 20 Nov 2010 4:27
Sample Name : HEROIN STD
Submitted by : ASD
Vial Number : 70
AcquisitionMeth: DRUGS
Integrator : RTE



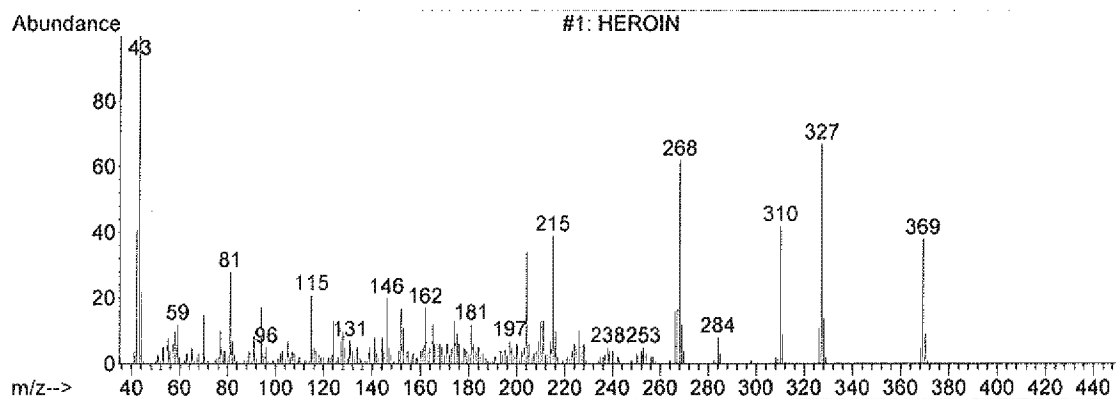
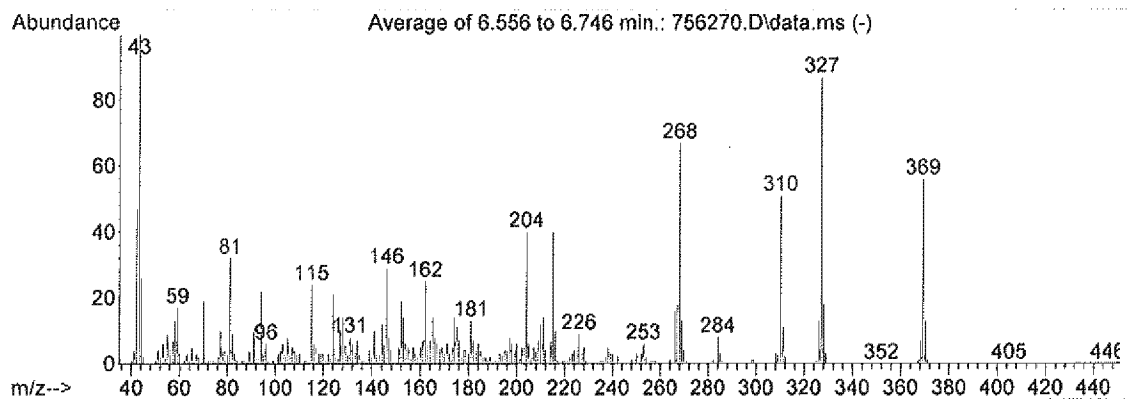
Ret. Time	Area	Area %	Ratio %
6.603	1169785	100.00	100.00

Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\11_19_10\756270.D
Operator : ASD/KAC
Date Acquired : 20 Nov 2010 4:27
Sample Name : HEROIN STD
Submitted by : ASD
Vial Number : 70
AcquisitionMeth: DRUGS
Integrator : RTE

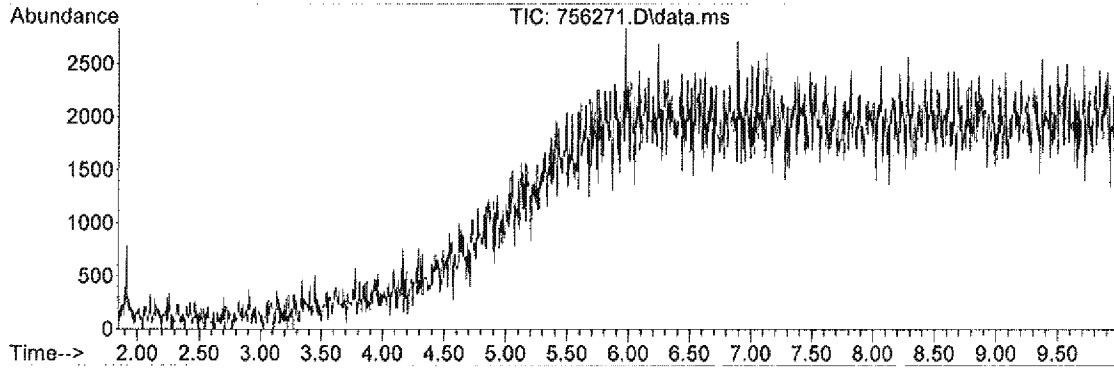
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
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Information from Data File:

File Name : F:\Q4-2010\SYSTEM4\11_19_10\756271.D
Operator : ASD/KAC
Date Acquired : 20 Nov 2010 4:41
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS